

# Converting Colors

Hex(7418E4)

Have a look what the booklet for  
Hex(7418E4) contains.

<b>Hex(7418E4)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(7418E4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7418E4
RGB	116, 24, 228
RGB Percent	45%, 9%, 89%
CMY	0.5451, 0.9059, 0.1059
CMYK	0.49, 0.89, 0.00, 0.11
HSL	267°, 81%, 49%
HSV	267°, 89%, 89%
XYZ	21.5327, 9.9677, 74.1878
YIQ	74.7640, -10.6520, 82.9480

# Conversions

## Conversions Part 2

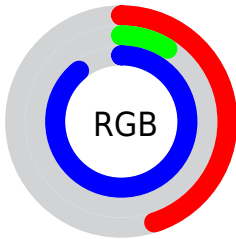
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	116, 24, 228
Decimal	7608548
CIE Lab	37.78, 72.98, -83.26
CIE LCh	38, 110.713, 311.235
Yxy	9.9677, 0.2037, 0.0943
Android (android.graphics.Color)	4285798628 (0xFF7418E4)
YUV	74.7640, 75.5453, 36.1640
Hunter-Lab	31.5717, 66.4911, -117.2208

# Details

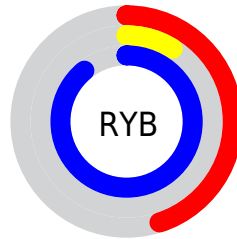
The Hex color **7418E4** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **88E418**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **B257FF**, and **2E00AB** is the 20% darker color. If you saturate the color by 10%, you get **6701E4**, and if you desaturate by 10%, it is **812FE4**.

# Distribution



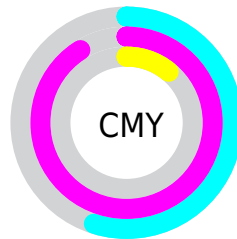
- Red (45%)
- Green (9%)
- Blue (89%)



- Red (45%)
- Yellow (9%)
- Blue (89%)



- Cyan (49%)
- Magenta (89%)
- Yellow (0%)
- Black (11%)



- Cyan (55%)
- Magenta (91%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7418E4 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 7418E4 by changing the saturation by 10% instead.



 7418E4

 7418E4

FFFFFF

 5300C7

 B257FF

 2E00AB

 D173FF

 00008F

 F08FFF

 000075

 FFABFF

 00005B

 FFC8FF

 000742

 FFE5FF

 00032B

 000115

 000000

 7418E4

 7418E4

 6701E4

 812FE4

 6700E4

 8D46E4

 9A5CE4

 A673E4

 B38AE4

 BFA1E4

 CCB8E4

 D8CEE4

 E5E5E4

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



005FFF



7418E4



D20095

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



7418E4



993D00



00767A

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



7418E4



88E418

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



007315



7418E4



4E6100

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



7418E4



CE0000



006F00



0078D1

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



7418E4



E5005A



006F00



00755B



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



7418E4



D9BAFF



1888E4



695780



000000



808080



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



7418E4



7300FF



DA18E4



6C6773



5100B3



170033



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



E41888



FF008C



22E418



73676E



B30062

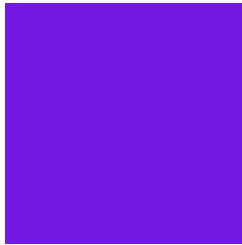


33001C



# Previews

## White Background



This preview shows how the Hex color 7418E4 looks on a white background.

## Color Contrast Check

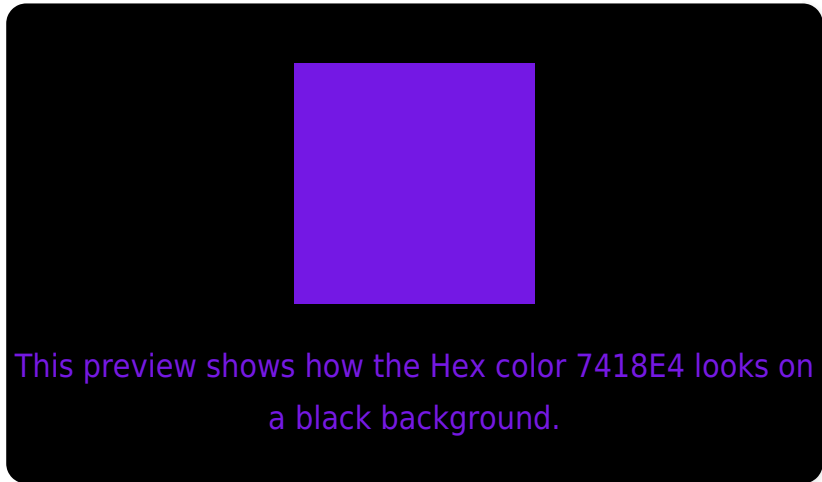
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

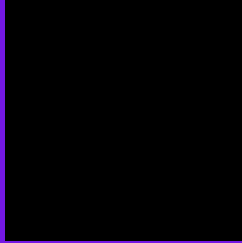
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7418E4 Background



This preview shows how black text looks on a background with the Hex color 7418E4.

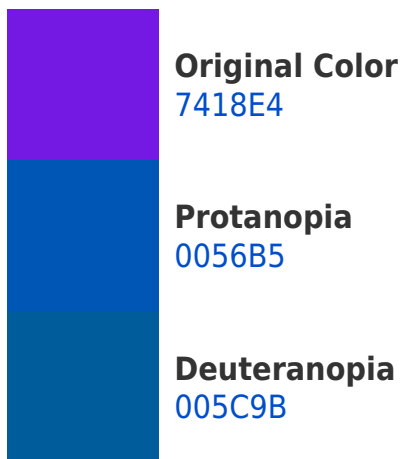


This preview shows how white text looks on a background with the Hex color 7418E4.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





**Tritanopia**  
505B62

# Trichromacy



**Original Color**

7418E4



**Protanomaly**

2A3FC6



**Deuteranomaly**

2A43B6



**Tritanomaly**

5D4391

# Monochromacy



**Original Color**

7418E4



**Achromatopsia**

4B4B4B



**Achromatomaly**

5A3883

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7418E4 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #7418E4 looks like.

```
.text, #text, p{  
    color:#7418E4  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #7418E4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7418E4
}
```

## Border

The CSS property to change the border of an element to Hex 7418E4 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

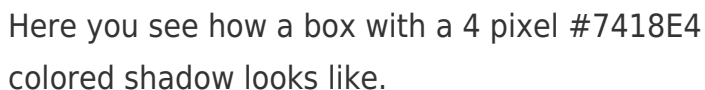
```
.border, #border, table{ border:4px solid
#7418E4 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#7418E4 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #7418E4 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7418E4; -webkit-box-shadow:4px 4px  
4px 4px #7418E4; box-shadow:4px 4px 4px  
4px #7418E4 }
```

# Background

The CSS property to change the background color of an element to Hex 7418E4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7418E4 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#7418E4 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**